

# USCMS Engineer Status Report for April 2004

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## 1 Work Performed This Month

- Prepared following CMS Projects releases: - IGNOMINY: IGNOMINY\_1.8.0, IGNOMINY\_1.8.1

- IGUANA: IGUANA\_5.0.0\_pre2, IGUANA\_5.0.0\_pre3
- OSCAR: OSCAR\_3.2.0, OSCAR\_3.2.1\_pre2, OSCAR\_3.2.1, OSCAR\_3.2.2
- Geometry: Geometry\_1.7.0, Geometry\_1.8.0
- IGUANACMS: IGUANACMS\_1.6.1, IGUANACMS\_1.7.0\_pre1

- In IGNOMINY\_1.8.0, now we have dependency metrics per project/sub-system level, It is now in use for latest version of CMS softwares e.g. all CMS

software released based on CMS\_90\_x configuration. [http://www.cern.ch/ignominy/CMSProjects/Cobra/Cobra\\_8.1.1/doc/deps/linux-2.4/](http://www.cern.ch/ignominy/CMSProjects/Cobra/Cobra_8.1.1/doc/deps/linux-2.4/) [http://www.cern.ch/ignominy/CMSProjects/OSCAR/OSCAR\\_3.2.1/doc/deps/linux-2.4/](http://www.cern.ch/ignominy/CMSProjects/OSCAR/OSCAR_3.2.1/doc/deps/linux-2.4/) [http://www.cern.ch/ignominy/CMSProjects/OSCAR/OSCAR\\_3.2.2/doc/deps/linux-2.4/](http://www.cern.ch/ignominy/CMSProjects/OSCAR/OSCAR_3.2.2/doc/deps/linux-2.4/) [http://www.cern.ch/ignominy/CMSProjects/ORCA/ORCA\\_8.1.1/doc/deps/linux-2.4/](http://www.cern.ch/ignominy/CMSProjects/ORCA/ORCA_8.1.1/doc/deps/linux-2.4/)

Most of the configuration files for the ignominy analysis are now generated automatically by the scram-ignominy tool. e.g. see the number of configuration files now used as compare to the old releases. Project Old\_Configurations New\_Configuration COBRA 9 4 IGUANA 10 4 ORCA 10 3 OSCAR 9 2 IGUANACMS 10 2

- Created a SoNode manipulator, now one can easily manipulate an SoNode. It will help to change the material color at runtime, change the dimensions of the shape etc.

- Attended the IGUANA workshop and gave a talk on IGUANA control centre. Given some tutorials on how one can create new Control centre categories and 3D field controls.

- Fixed the size of the 3D browser for the MDI IGUANA.

- Fixed the Zoom In/Out functionality and handling of Clip planes, slicers, animators, lights and view points for multiple browsers.
- New 3D field controls for SoMFFloat, SoMFColor are added in IGUANA.

## **2 Status of Deliverables**

- Working on IGUANA\_5.0.0 and IGUANACMS\_1.7.0 to be released. Planes are to release IGUANA\_5.0.0 in the first week of MAY but we need a lot of debugging and testing before making the release because now IGUANA support MDI and interface has a lot of changes. We need to test those. Currently testing and debugging the new MDI of IGUANA.

## **3 Plans For Next Month**

- Will create many 3D field controls to control SOMFInt32, SoMFUInt32, SoMFShort, SoMFBool, SoMFVec3f etc
  - Release IGUANA\_5.0.0 and IGUANACMS\_1.7.0
  - Will provide support to CMS projects for configuration and releases.